

Exercise 4.1

A) Write the multiplication fact for each picture.

		Multiplication Fact		
1)		$3 \times 2 = 6$		
2)		$4 \times 6 = 24$		
3)		$5 \times 4 = 20$		
4)		$2 \times 5 = 10$		

B) Write the multiplication fact for each repeated addition.

	Multiplication Fact
1) $6 + 6 + 6 = 18$	$3 \times 6 = 18$
2) $4 + 4 + 4 + 4 = 16$	$4 \times 4 = 16$
3) $7 + 7 + 7 + 7 + 7 = 35$	$5 \times 7 = 35$
4) $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 40$	$8 \times 5 = 40$

C) Write each of the multiplication fact in the form of repeated addition.

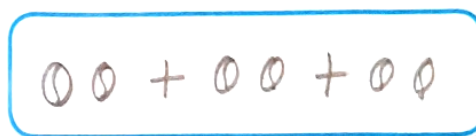
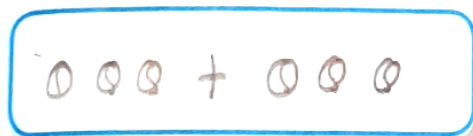
	Multiplication Fact
1) $3 \times 2 = 6$	$2+2+2=6$
2) $1 \times 8 = 8$	$8=8$
3) $9 \times 3 = 27$	$3+3+3+3+3+3+3+3+3=27$
4) $8 \times 4 = 32$	$4+4+4+4+4+4+4+4=32$

Exercise 4.2

A) Fill the blanks

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|--|--------------------------------------|---|
| 1) $8 \times 1 = \underline{8}$ | 6) $7 \times \underline{1} = 7$ | 11) $5 \times 3 = 3 \times \underline{5}$ |
| 2) $10 \times 7 = 7 \times \underline{10}$ | 7) $\underline{1} \times 10 = 10$ | 12) $1 \times \underline{5} = 5$ |
| 3) $2 \times \underline{77} = 77 \times 2$ | 8) $3 \times 0 = \underline{0}$ | 13) $7 \times \underline{0} = 0$ |
| 4) $10 \times \underline{1} = 10$ | 9) $\underline{0} \times 9 = 0$ | 14) $6 \times 8 = \underline{8} \times 6$ |
| 5) $55 \times 0 = \underline{0}$ | 10) $246 \times 1 = \underline{246}$ | 15) $9 \times 6 = \underline{6} \times 9$ |

B) Draw sets of balls in the given 2 boxes to show $2 \times 3 = 3 \times 2$ and write the multiplication fact for each picture.



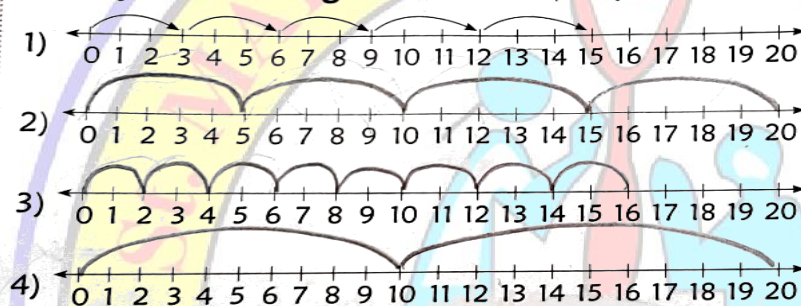
$$\boxed{2} \times \boxed{3} = \boxed{6}$$

$$\boxed{3} \times \boxed{2} = \boxed{6}$$

What Did You Learn?

Exercise 4.3

Multiplication using number line. (The first one has been done for you.)



$$5 \times 3 = \boxed{15}$$

$$4 \times 5 = \boxed{20}$$

$$8 \times 2 = \boxed{16}$$

$$2 \times 10 = \boxed{20}$$

Exercise 4.4

Fill the blanks.

- | | | |
|----------------------------------|----------------------------------|----------------------------------|
| 1. $2 \times 5 = \underline{10}$ | 4. $6 \times 9 = \underline{54}$ | 7. $5 \times 3 = \underline{15}$ |
| 2. $4 \times 7 = \underline{28}$ | 5. $6 \times 5 = \underline{30}$ | 8. $5 \times 4 = \underline{20}$ |
| 3. $6 \times 6 = \underline{36}$ | 6. $4 \times 3 = \underline{12}$ | 9. $3 \times 2 = \underline{6}$ |

Exercise 4.5

Fill the blanks

- | | | |
|----------------------------------|-------------------------------------|-----------------------------------|
| 1. $8 \times 4 = \underline{32}$ | 5. $9 \times 9 = \underline{81}$ | 9. $7 \times 9 = \underline{63}$ |
| 2. $7 \times 6 = \underline{42}$ | 6. $10 \times 8 = \underline{80}$ | 10. $5 \times 9 = \underline{45}$ |
| 3. $7 \times 8 = \underline{56}$ | 7. $10 \times 10 = \underline{100}$ | 11. $6 \times 4 = \underline{24}$ |
| 4. $7 \times 7 = \underline{49}$ | 8. $8 \times 9 = \underline{72}$ | 12. $9 \times 2 = \underline{18}$ |

Exercise 4.6

A) Count in 4s and fill in the boxes.

1)

4	8	12	16	20	24
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2)

12	<u>16</u>	<u>20</u>	<u>24</u>	<u>28</u>	<u>32</u>
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B) Count in 5s and fill in the boxes.

1)

5	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
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2)

10	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>
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Exercise 4.7

Multiply

$$\begin{array}{r}
 1. \quad \begin{array}{r} 10 \\ 5 \\ \times 3 \\ \hline 15 \end{array} \quad
 2. \quad \begin{array}{r} 10 \\ 6 \\ \times 4 \\ \hline 24 \end{array} \quad
 3. \quad \begin{array}{r} 10 \\ 6 \\ \times 3 \\ \hline 18 \end{array} \quad
 4. \quad \begin{array}{r} 10 \\ 7 \\ \times 9 \\ \hline 63 \end{array} \quad
 5. \quad \begin{array}{r} 10 \\ 8 \\ \times 6 \\ \hline 48 \end{array}
 \end{array}$$

Exercise 4.8

Multiply

$$\begin{array}{r}
 1. \quad \begin{array}{r} 10 \\ 12 \\ \times 2 \\ \hline 24 \end{array} \quad
 2) \quad \begin{array}{r} 10 \\ 22 \\ \times 3 \\ \hline 66 \end{array} \quad
 3) \quad \begin{array}{r} 10 \\ 51 \\ \times 1 \\ \hline 51 \end{array} \quad
 4) \quad \begin{array}{r} 10 \\ 11 \\ \times 5 \\ \hline 55 \end{array} \quad
 5) \quad \begin{array}{r} 10 \\ 17 \\ \times 0 \\ \hline 00 \end{array} \\
 6) \quad \begin{array}{r} 10 \\ 32 \\ \times 3 \\ \hline 96 \end{array} \quad
 7) \quad \begin{array}{r} 10 \\ 41 \\ \times 2 \\ \hline 82 \end{array} \quad
 8) \quad \begin{array}{r} 10 \\ 33 \\ \times 3 \\ \hline 99 \end{array} \quad
 9) \quad \begin{array}{r} 10 \\ 40 \\ \times 2 \\ \hline 80 \end{array} \quad
 10) \quad \begin{array}{r} 10 \\ 12 \\ \times 4 \\ \hline 48 \end{array}
 \end{array}$$

Exercise 4.9

$$\begin{array}{r}
 \begin{array}{r} 3 \\ 1) 24 \\ \times 8 \\ \hline 192 \end{array} \quad
 2) \quad \begin{array}{r} 2 \\ 56 \\ \times 4 \\ \hline 224 \end{array} \quad
 3) \quad \begin{array}{r} 1 \\ 37 \\ \times 2 \\ \hline 74 \end{array} \quad
 4) \quad \begin{array}{r} 2 \\ 49 \\ \times 3 \\ \hline 147 \end{array} \\
 5) \quad \begin{array}{r} 5 \\ 16 \\ \times 9 \\ \hline 144 \end{array} \quad
 6) \quad \begin{array}{r} 1 \\ 42 \\ \times 5 \\ \hline 210 \end{array} \quad
 7) \quad \begin{array}{r} 6 \\ 19 \\ \times 7 \\ \hline 133 \end{array} \quad
 8) \quad \begin{array}{r} 1 \\ 66 \\ \times 3 \\ \hline 198 \end{array}
 \end{array}$$

Exercise 4.10

A) Fill the product.

1) H T O	2) H T O	3) H T O	4) H T O	5) H T O
3 3 1	2 1 2	4 2 1	1 2 5	1 3 0
<u>X 2</u>	<u>X 4</u>	<u>X 2</u>	<u>X 1</u>	<u>X 3</u>
6 6 2	8 4 8	2 4 2	1 2 5	3 9 0

B) Fill the product.

1) H T O	2) H T O	3) H T O	4) H T O	5) H T O
2	1	1	2	1
2 1 8	2 1 4	2 2 9	1 1 7	3 1 9
<u>X 3</u>	<u>X 3</u>	<u>X 2</u>	<u>X 4</u>	<u>X 2</u>
6 5 4	9 4 2	4 5 8	4 6 8	6 3 8

Exercise 4.11

Solve the following in your notebook:

1) How many days are there in 5 weeks?

Sol: Days in one week = 7

Days in 5 weeks = 5

$$\begin{array}{r} \times 7 \\ 35 \end{array}$$

Answer: There are 35 days in 5 weeks.

2) There are 25 pastries in a box .How many pastries are there in 2 boxes?

Sol: Pastries in one box = 25

1

Pastries in 2 boxes = 25

$$\begin{array}{r} \times 2 \\ 50 \end{array}$$

Answer: There are 50 pastries in two boxes.

3) A book has 85 pages. How many pages are there in 7 such books?

Sol: Pages in one book = 85

$$\begin{array}{r} \times 7 \\ 595 \end{array}$$

Answer: There are 595 pages in 7 books.

- 4) There were 225 passengers in a compartment of a train. How many passengers are there in 4 compartments?

Sol: Passengers in 1 compartment= 225

$$\begin{array}{r} \text{Passengers in 4 compartments=} \\ 225 \\ \times 4 \\ \hline 400 \end{array}$$

Answer: There are 400 passengers in 4 compartments.

What do you think?

Fill in the blanks with the correct answer.

1) $4 \times 8 = \underline{32}$

i) 24

ii) 32

iii) 40

2) $\underline{0} \times 229 = 0$

i) 0

ii) 229

iii) 1

3) $999 \times 1 = \underline{999}$

i) 0

ii) 999

iii) 1

4) $7 \times \underline{8} = 56$

i) 8

ii) 9

iii) 6

5) $9 \times 7 = \underline{63}$

i) 56

ii) 93

iii) 63